## IN THE CLAIMS

(Currently Amended) A method comprising:
 receiving input data of a sporting event;
 processing said input data to generate positional data;

generating semantic information based on said positional data and game rules of said sporting event, said semantic information describing an officiating event; and

transmitting said semantic information to <u>a wireless officiating device</u> <u>possessed by</u> an officiating entity of said sporting event, <u>said transmitting to</u> <u>notify said officiating entity of said officiating event</u>.

- 2. (Canceled)
- 3. (Previously Presented) A method according to claim 1, wherein said sporting event is a soccer game.
- 4. (Original) A method according to claim 1, wherein said officiating entity is an event official.
- (Original) A method according to claim 1, further comprising: generating an event model from said positional data and said semantic information; and storing said event model in an event model database.
- 6. (Previously Presented) A method according to claim 5, further comprising querying said event model database for said officiating event.
- 7. (Original) A method according to claim 1, further comprising generating an animation based on said positional data.
- 8. (Currently Amended) A method according to claim 7, further comprising transmitting said animation to said officiating <u>device</u> entity.

Serial No.: 10/037,658 2 Docket No.: 042390.P11765

- 9. (Original) A method according to claim 1, further comprising transmitting said semantic information to an officiating interface.
- 10. (Currently Amended) A system comprising:

an officiating data unit to generate officiating event data based on positional data and game rules of a sporting event, said officiating event data describing an officiating event of said sporting event; and

[[an]] <u>a wireless</u> officiating device to receive said officiating event data, <u>said officiating device to notify an officiating entity of said officiating event</u>.

- 11. (Previously Presented) The system of claim 10, wherein said officiating data unit comprises a tracking system to receive input data and generate said positional data from said input data.
- 12. (Original) The system of claim 11, wherein said officiating data unit comprises:

an event model generator to generate an event model from said positional data; and

an event model database to store said event model.

13. (Currently Amended) The system of claim 12, wherein said officiating data unit comprises:

an officiating data extractor to query said event model database for <u>said</u> officiating event data; and

an officiating interface to receive said officiating event data and transmit said officiating event data to said officiating device.

- 14. (Original) The system of claim 13, wherein said officiating interface receives officiating decision data from said officiating device.
- 15. (Original) The system of claim 14, wherein said event model includes said officiating decision data.

Serial No.: 10/037,658 3 Docket No.: 042390.P11765

- 16. (Original) The system of claim 10, further comprising an event animation unit to generate an animation from said officiating event data.
- 17. (Original) The system of claim 16, further comprising an officiating interface to receive said animation and transmit said animation to said officiating device.
- 18. (Original) The system of claim 16, wherein said officiating device receives said animation.
- 19. (Currently Amended) A machine-readable medium having stored thereon data representing sequences of instructions, said sequences of instructions which, when executed by a processor, cause said processor to:

receive input data of a sporting event;

process said input data to generate positional data;

generate semantic information based on said positional data and game rules of said sporting event, wherein said semantic information describes an officiating event; and

transmit said semantic information to <u>a wireless officiating device</u>
<u>possessed by</u> an officiating entity of said sporting event, <u>said transmitting to</u>
notify said officiating entity of said officiating event.

- 20. (Canceled)
- 21. (Previously Presented) The machine-readable medium of claim 19, wherein said sporting event is a soccer game.
- 22. (Original) The machine-readable medium of claim 19, wherein said officiating entity is a referee.
- 23. (Original) The machine-readable medium of claim 19, wherein said sequences of instructions further cause said processor to:

generate an event model from said positional data and said semantic information; and

Serial No.: 10/037,658 4 Docket No.: 042390.P11765

store said event model in an event model database.

- 24. (Original) The machine-readable medium of claim 23, wherein said sequences of instructions further cause said processor to query said event model database for officiating event data.
- 25. (Original) The machine-readable medium of claim 19, wherein said sequences of instructions further cause said processor to generate an animation based on said positional data.
- 26. (Currently Amended) The machine-readable medium of claim 25, wherein said sequences of instructions further cause said processor to transmit said animation to said officiating <u>device</u> entity.
- 27. (Original) The machine-readable medium of claim 19, wherein said sequences of instructions further cause said processor to transmit said semantic information to an officiating interface.

Serial No.: 10/037,658 5 Docket No.: 042390.P11765